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#### **EUROPEAN PATENT APPLICATION**

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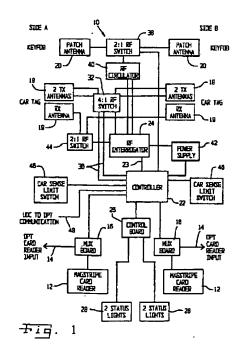
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#### (54) Radio frequency identification tag system and programming equipment

The invention includes computer system to emulate a magstripe card reader connected to a fuel dispenser terminal based on radio frequency signals, the system having a first radio frequency transmitting antenna, a separate first radio frequency receiving antenna and a controller for electronically controlling the system which is connected to both the transmitting and receiving antenna. The controller is adapted to develop and emulate magstripe card reader signals based on signals received from the receiving antenna. A multiplexer is utilized for selectively communicating magstripe card reader signals from the controller to the fuel dispenser terminal system. A method is described of combining a radio frequency tag identification system having a multiplexer with a fuel dispenser system by disconnecting a magstripe card reader from a fuel dispenser system card reader input, connecting the radio frequency tag identification system multiplexer to the fuel dispenser system card reader input; and then connecting the previously disconnected magstripe card reader to the multiplexer.



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#### **EUROPEAN SEARCH REPORT**

Application Number

ategory	Citation of document with in of relevant pass	ndication, where appropriate, lages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL6)	
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A	WO 97 35284 A (SHELL INT RESEARCH) 25 September 1997 (1997-09-25) * page 4, line 15 - page 5, line 22; figures 1-3 *		1,14,15	TECHNICAL FIELDS SEARCHED (Int.Cl.6)	
A	US 5 151 684 A (JOH 29 September 1992 ( * column 8, line 13		18	G07F G06K B67D	
3	The present search report has I	peen drawn up for all claims  Date of completion of the search  28 August 2000	Par	Examiner af, E	
X : parti Y : parti	ATEGORY OF CITED DOCUMENTS louterly relevant if taken stone louterly relevant it combined with anoti zment of the same category	T : theory or principle E : earlier patent doc after the filing dat	underlying the li turnent, but public e on the application	nvention	



Application Number

EP 98 12 0080

CLAIMS INCURRING FEES
The present European patent application comprised at the time of filing more than ten claims.
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.
LACK OF UNITY OF INVENTION
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:
see sheet B
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



# LACK OF UNITY OF INVENTION SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-17

Computer system connected to a receiving antenna that emulates a magnetic stripe card reader based on radio frequency signals received, also connected with a multiplexer to selectively communicate between the card reader and the sytem, used for point of sell (e.g. fuel dispenser terminal)

2. Claims: 18-22

encoder included in the radio frequency tag programmer

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#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 12 0080

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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